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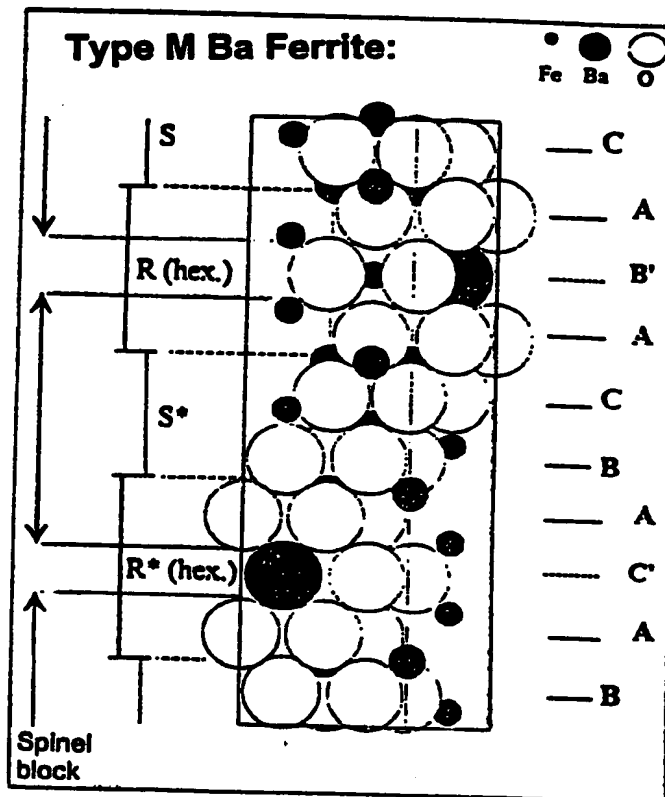


Fig. 1

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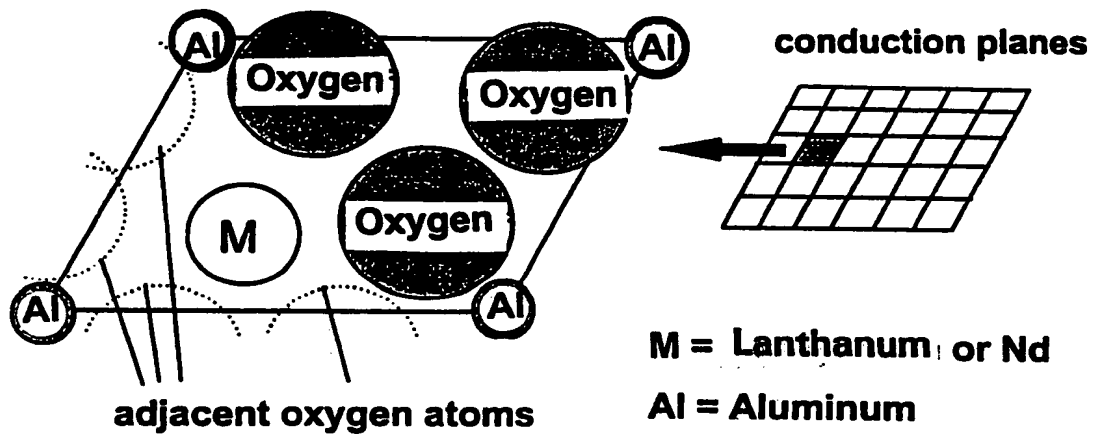
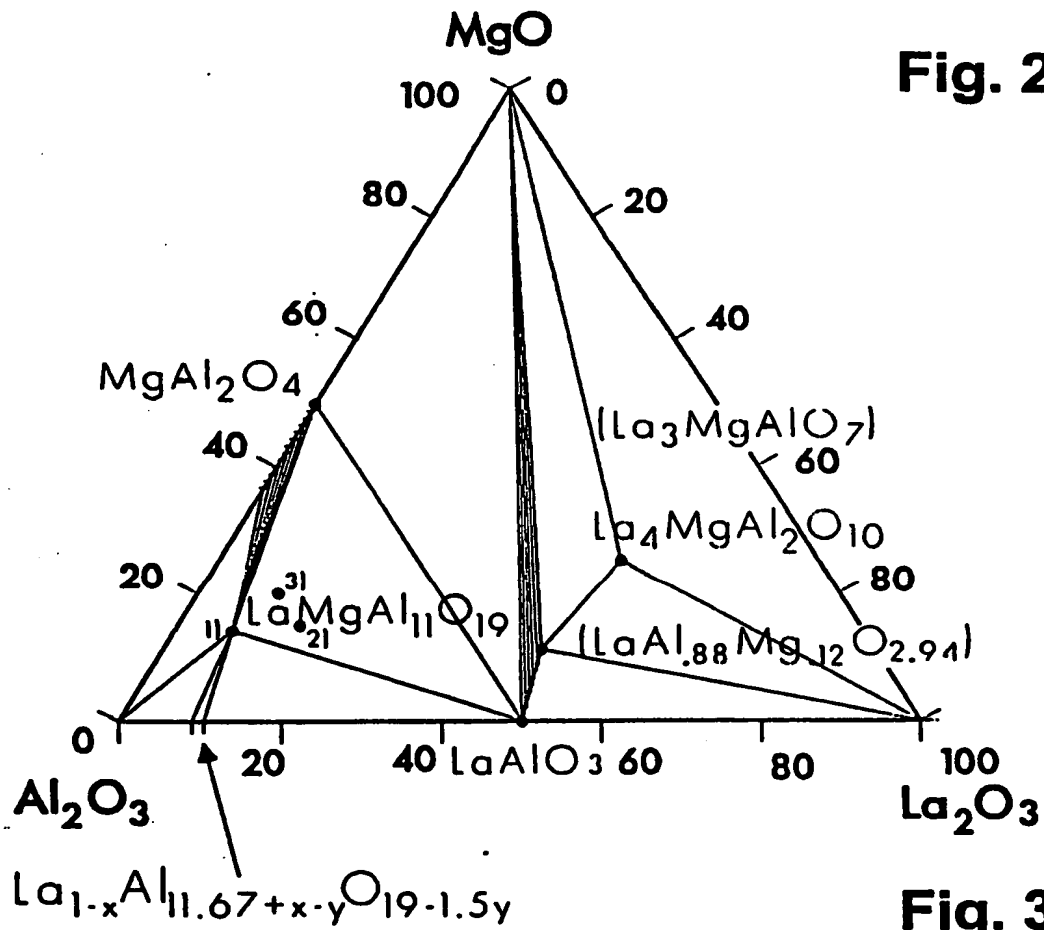


Fig. 2



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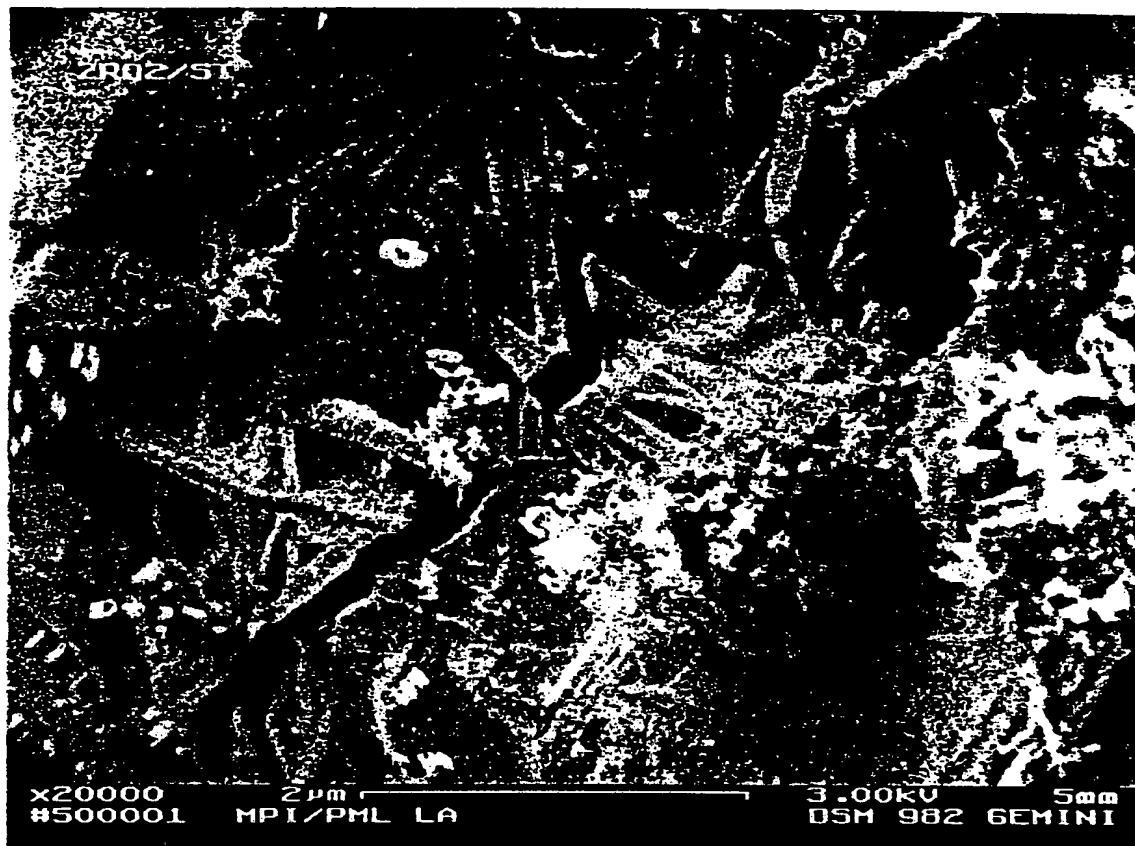


Fig. 4

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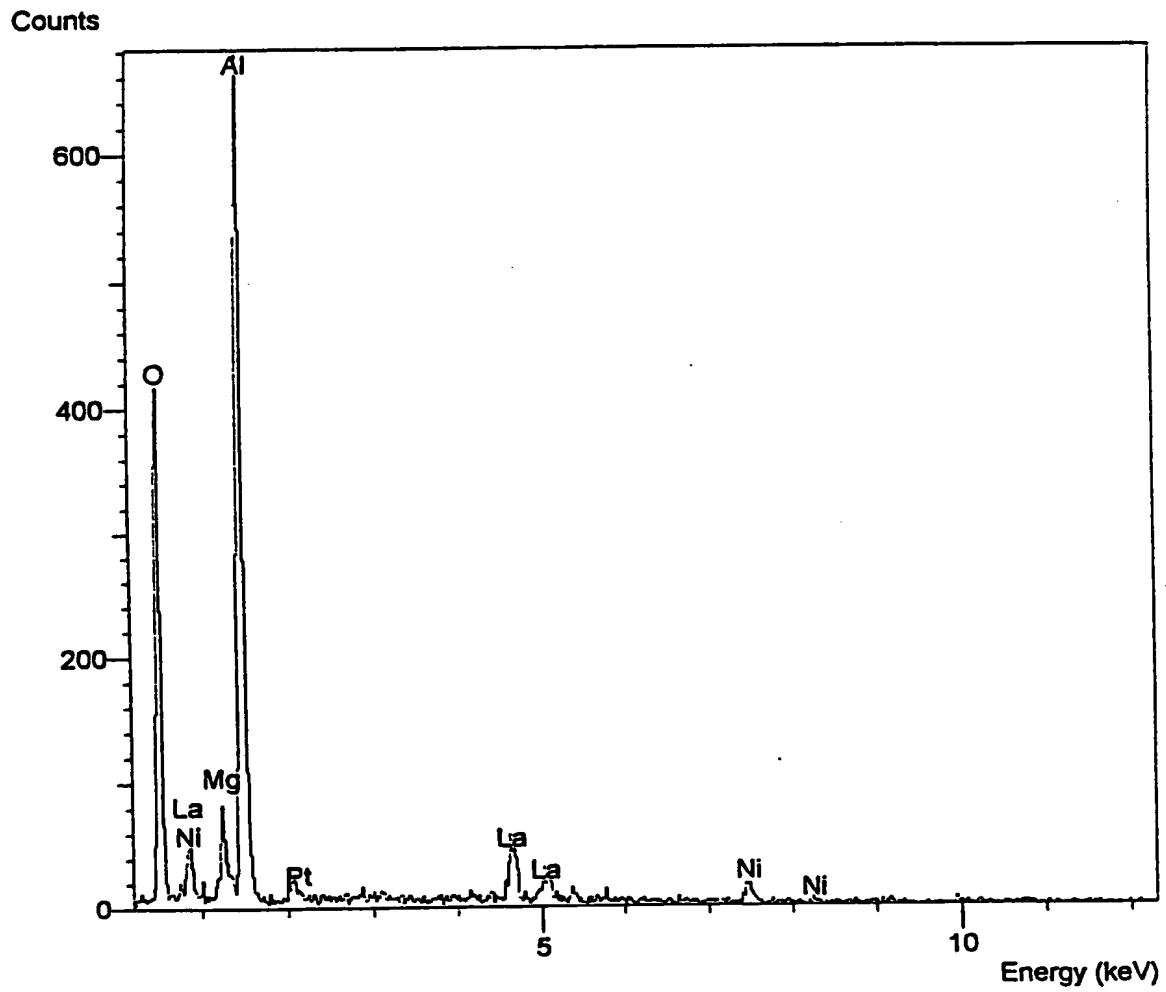


Fig. 5

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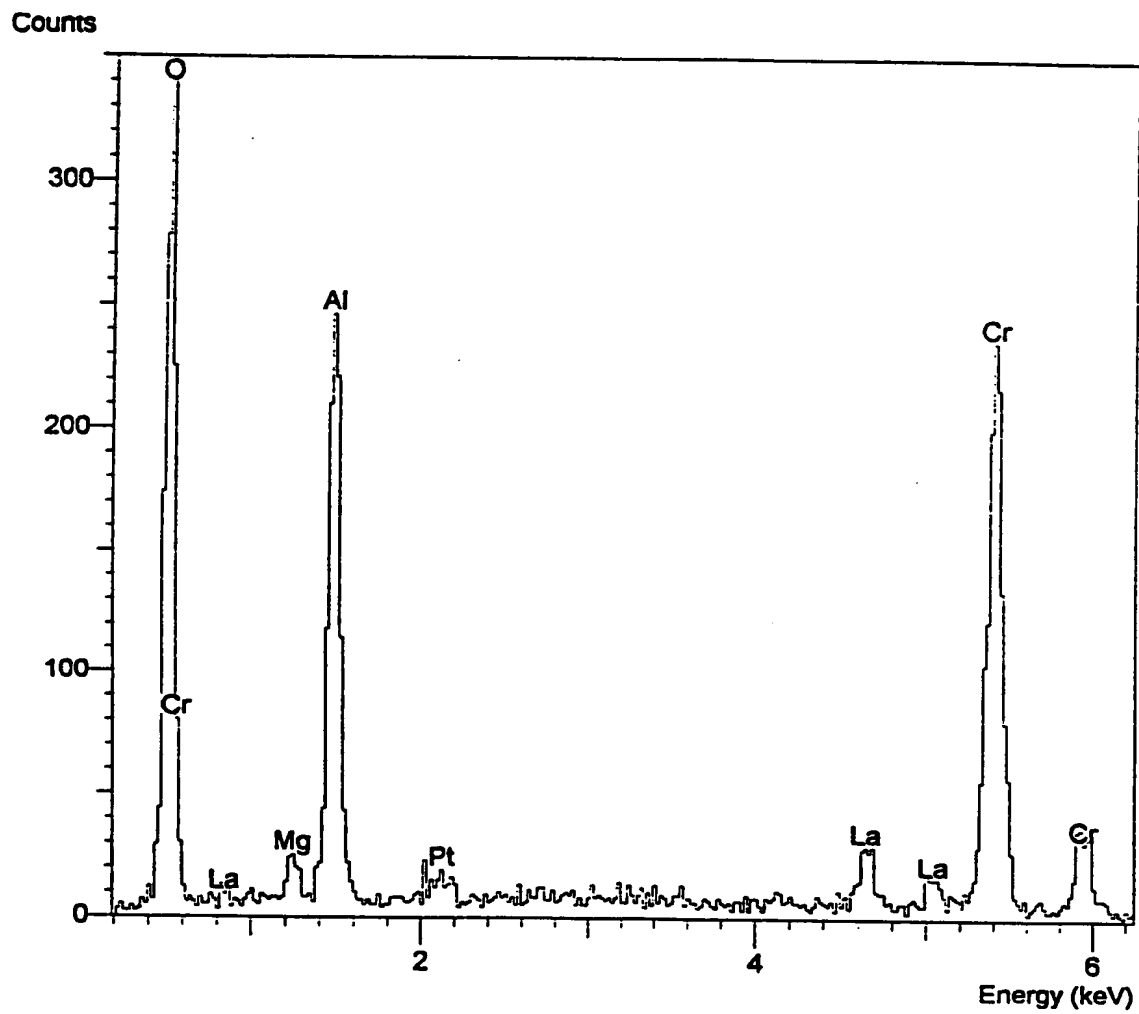


Fig. 6

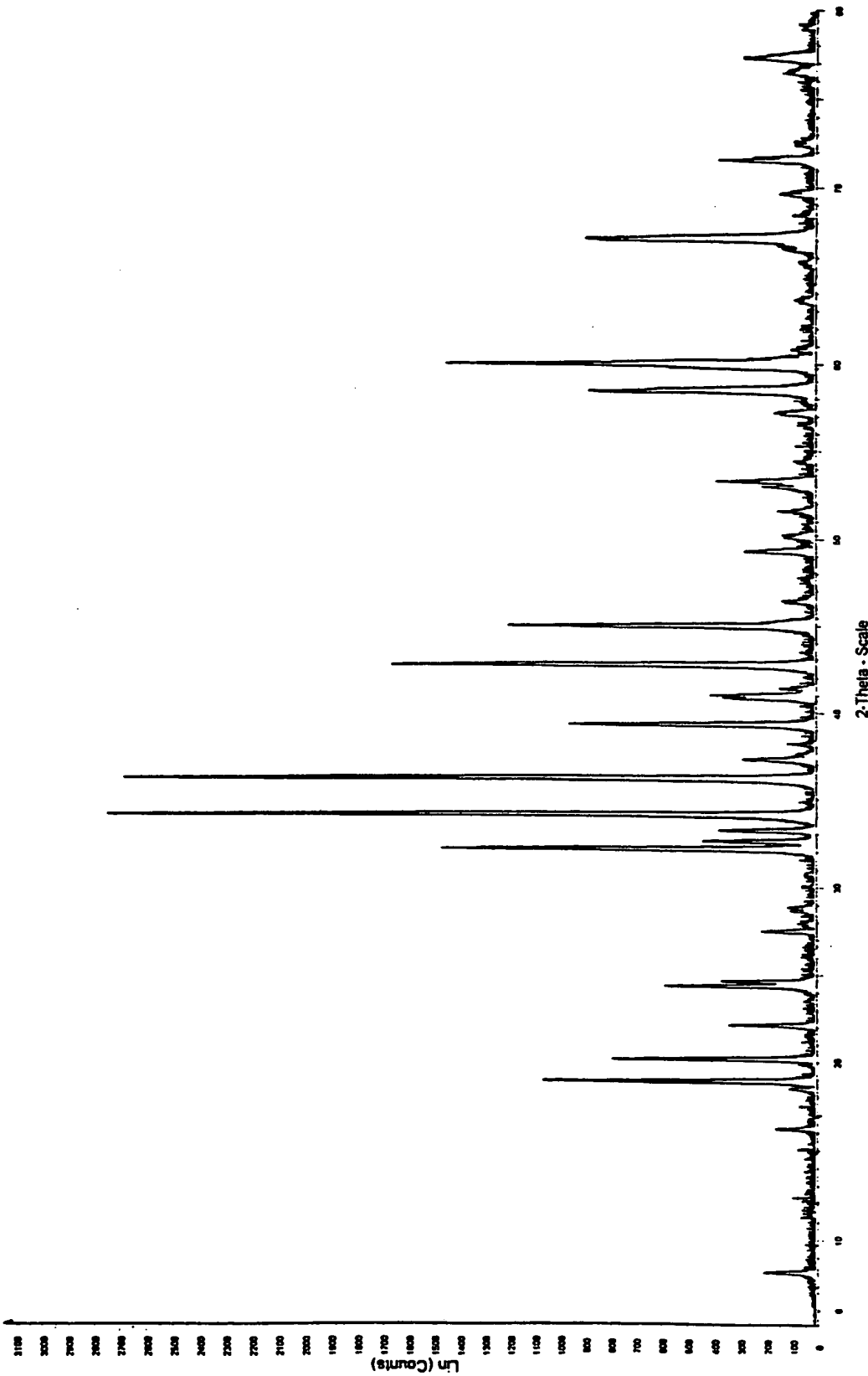


Fig. 7

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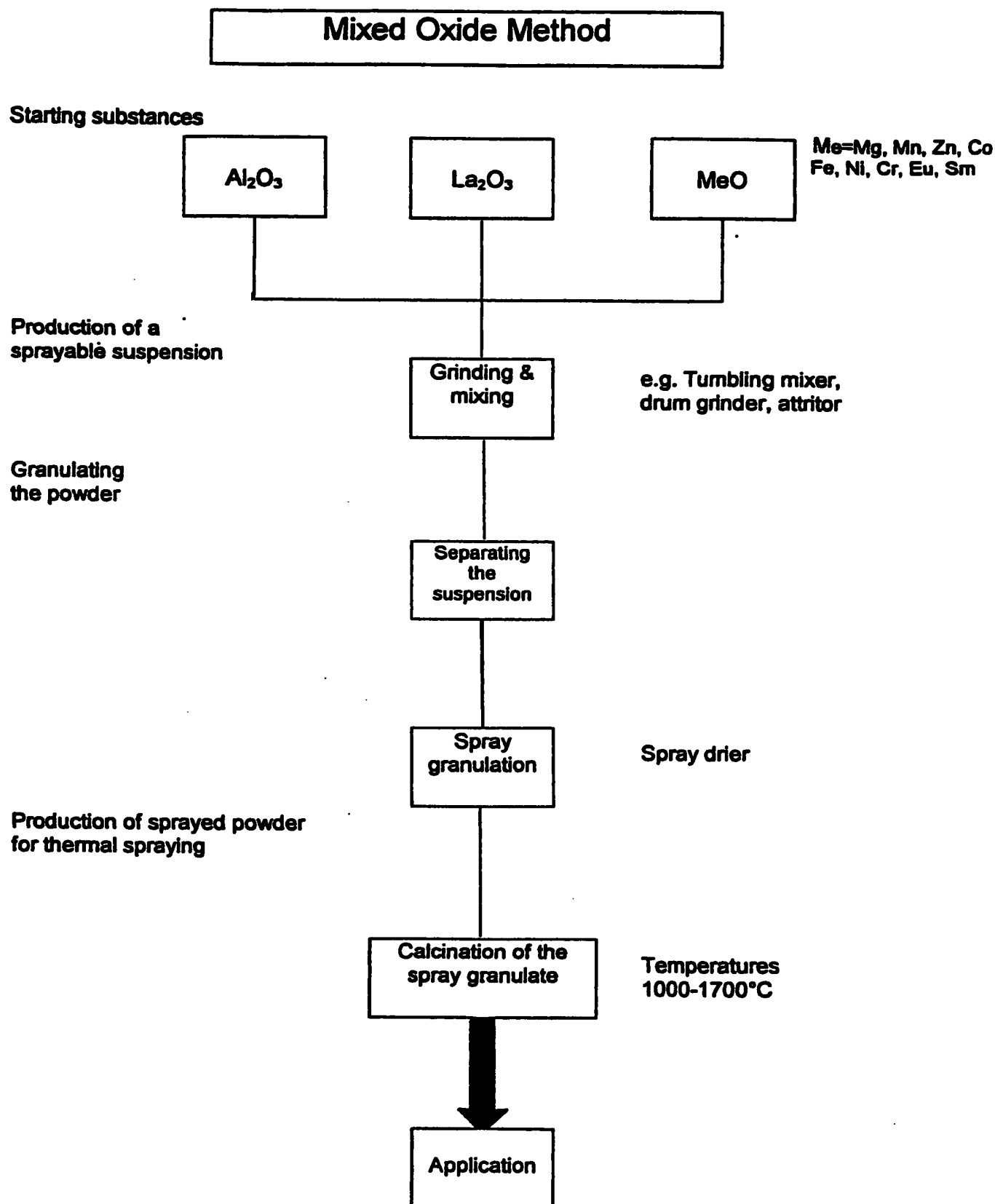


Fig. 8

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Wet Ch mistry Method

Starting substances

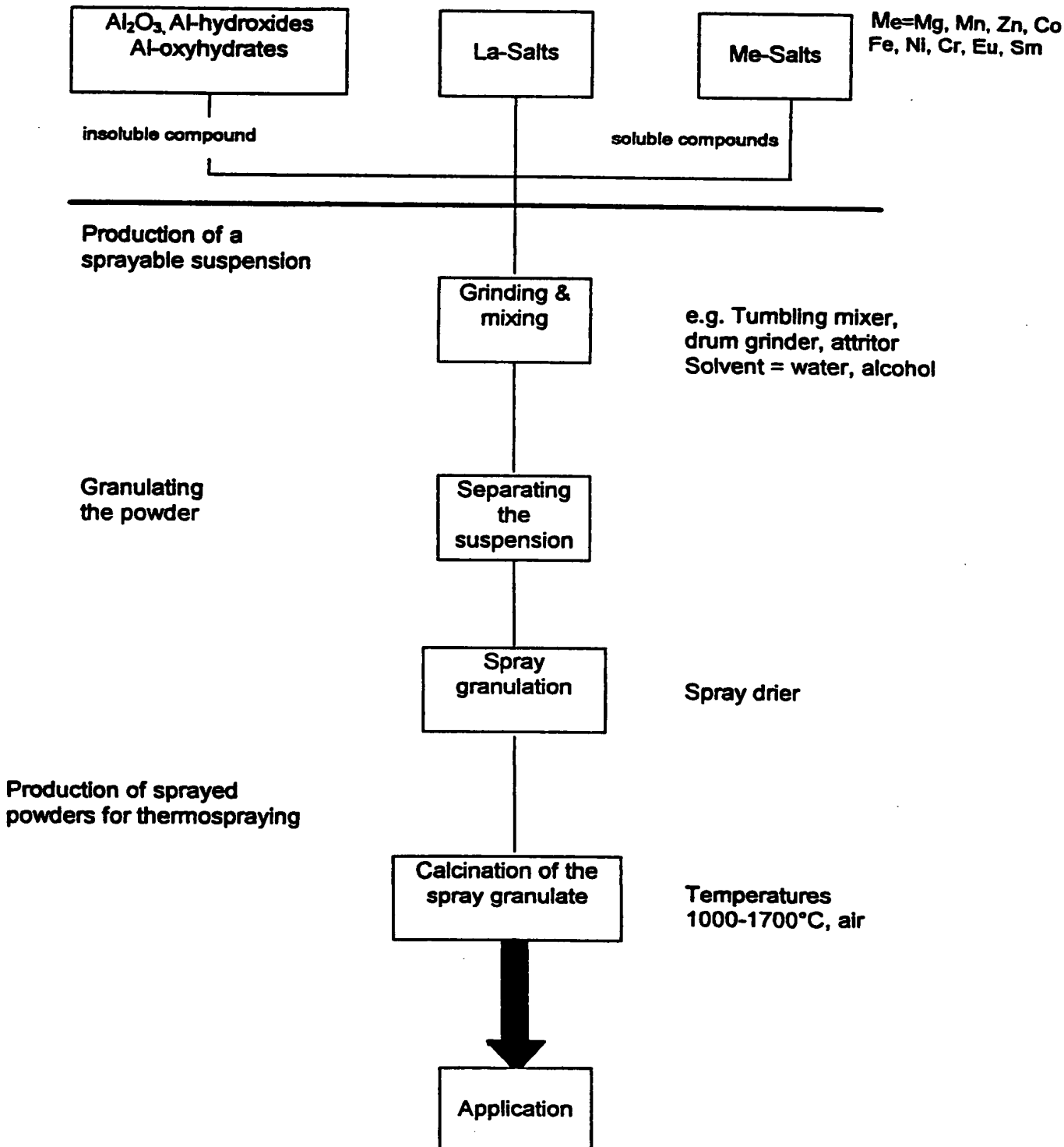


Fig. 9

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Production from alcoholates

Starting substances

Al-alcoholate

La-alcoholate

Me-Alcoholate

Me=Mg, Mn, Zn, Co
Fe, Ni, Cr, Eu, Sm

Precipitating and reacting
the alcoholates

Precipitating the
oxide

Addition of an aqueous
solution in the mixing vessel

Production of a
sprayable suspension

Addition of dispersing
agents, binders

Granulating the
powder

Spray granulation

Spray drier

Production of sprayed
powders for thermospraying

Calcination of the
spray granulate

Temperatures
1000-1700°C

Application

Fig. 10

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Production of powder highly capable of crystallisation

Starting substances

Al_2O_3

La_2O_3

MeO

Me=Mg, Mn, Zn, Co
Fe, Ni, Cr, Eu, Sm

Production of a
sprayable suspension

Addition of a flowabl
agent

Grinding &
mixing

e.g. Tumbling mixer,
drum rinder, attritor

Granulating the
powder

Separating the
suspension

Spray granulation

Production of sprayed powder
for thermal spraying

Calcination of the
spray granulate

Temperatures
1000-1700°C

Application

Fig. 11

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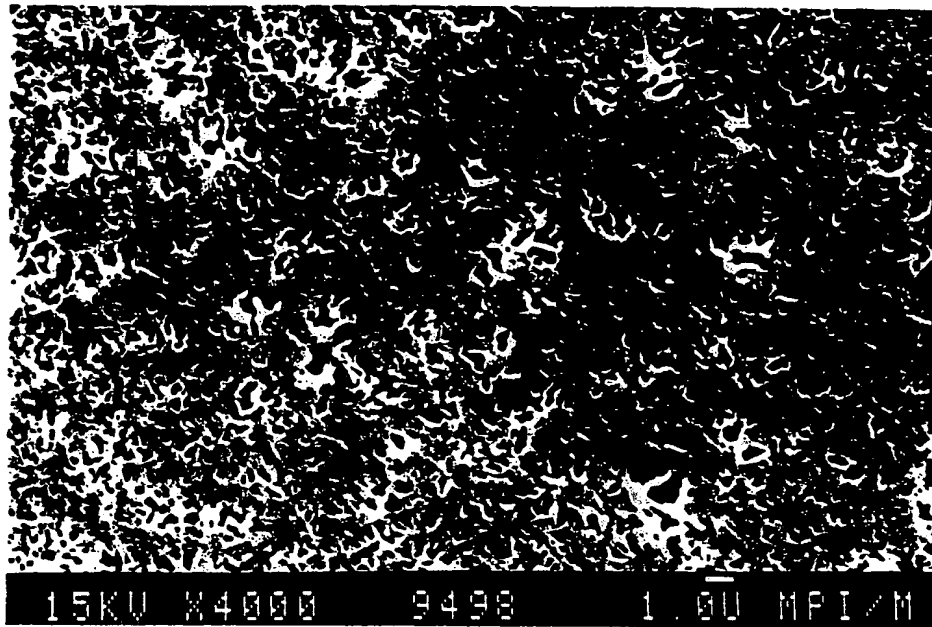


Fig. 12

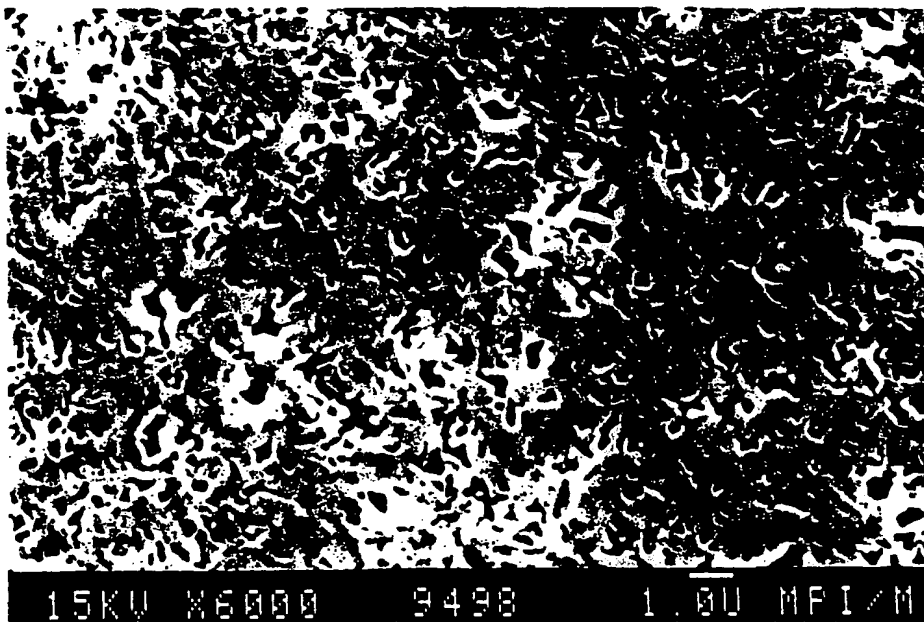


Fig. 13

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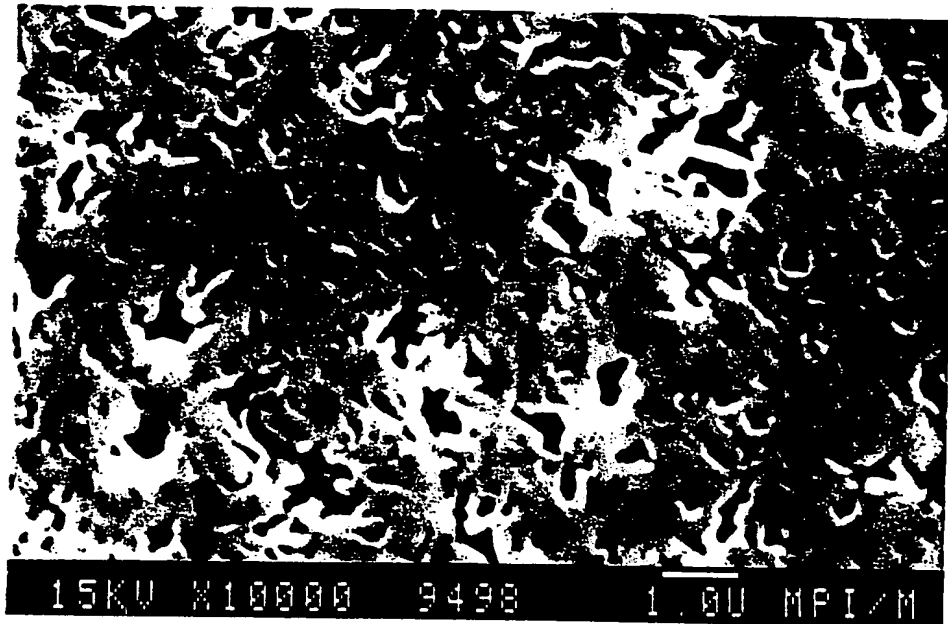


Fig. 14

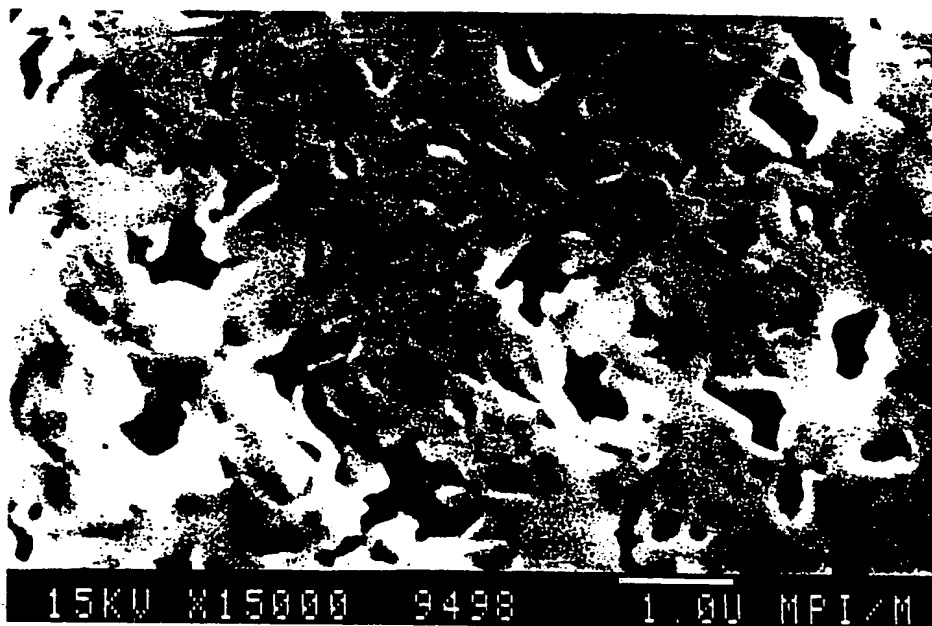


Fig. 15